

FIG. 1

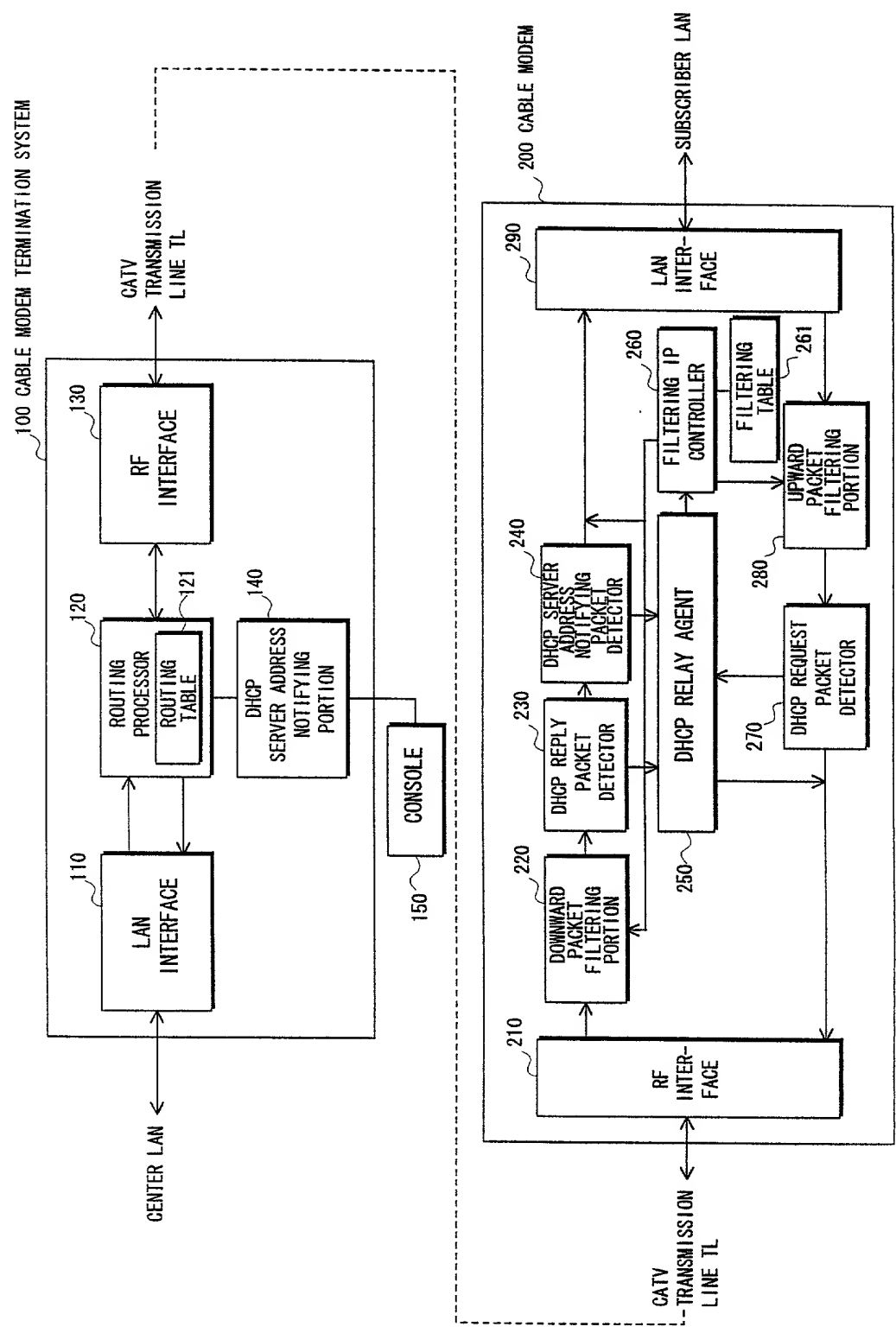


FIG. 2

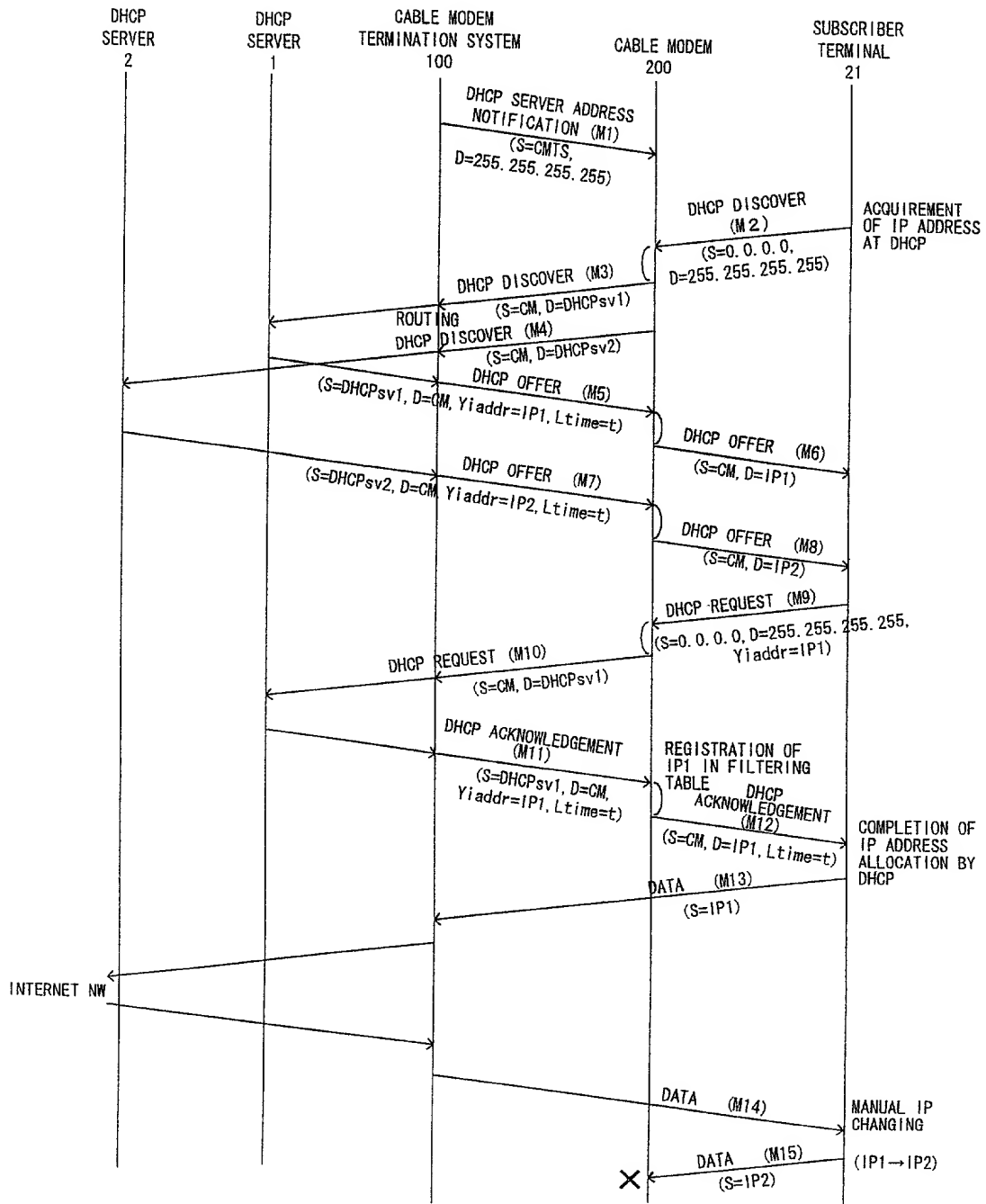


FIG. 3

| | | | | |
|--------|--------------------|--------------------|---------|--------------------|
| HEADER | DHCP SERVER IP1 | DHCP SERVER IP2 | | DHCP SERVER IPn |
|--------|--------------------|--------------------|---------|--------------------|

FIG. 8

| IP ADDRESS | LEASE TIME |
|------------|------------|
| 0.0.0.0 | — |
| 1.1.1.1 | 1000 |
| 2.2.2.2 | 500 |
| . | . |
| . | . |
| . | . |

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FIG. 16

| CM MAC ADDRESS | CM IP ADDRESS | SUBSCRIBER IP ADDRESS |
|----------------|---------------|--------------------------|
| aaaaaaaaaaaa | 1.1.1.1 | 10.10.10.1 |
| bbbbbbbbbbbb | 1.1.1.2 | 10.10.10.2 |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |

FIG. 4A

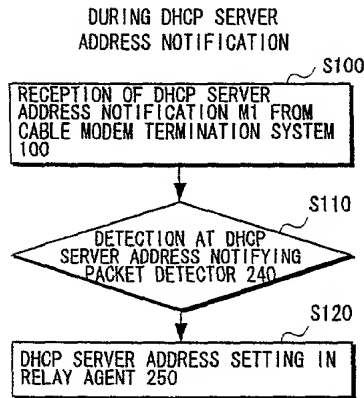


FIG. 4B

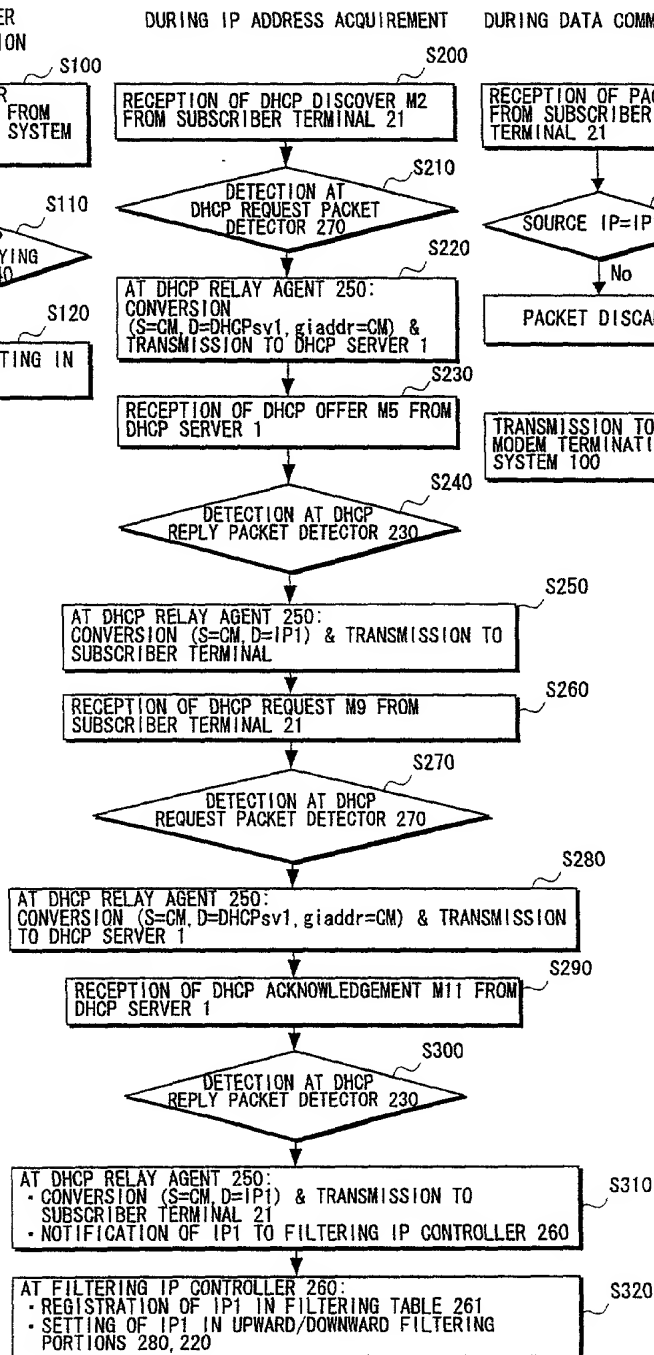


FIG. 4C

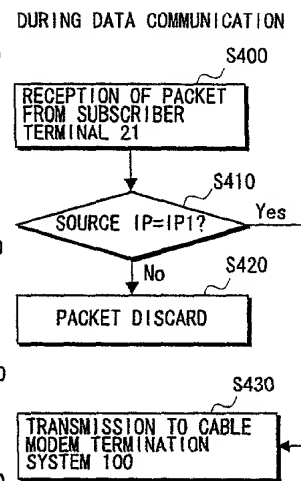
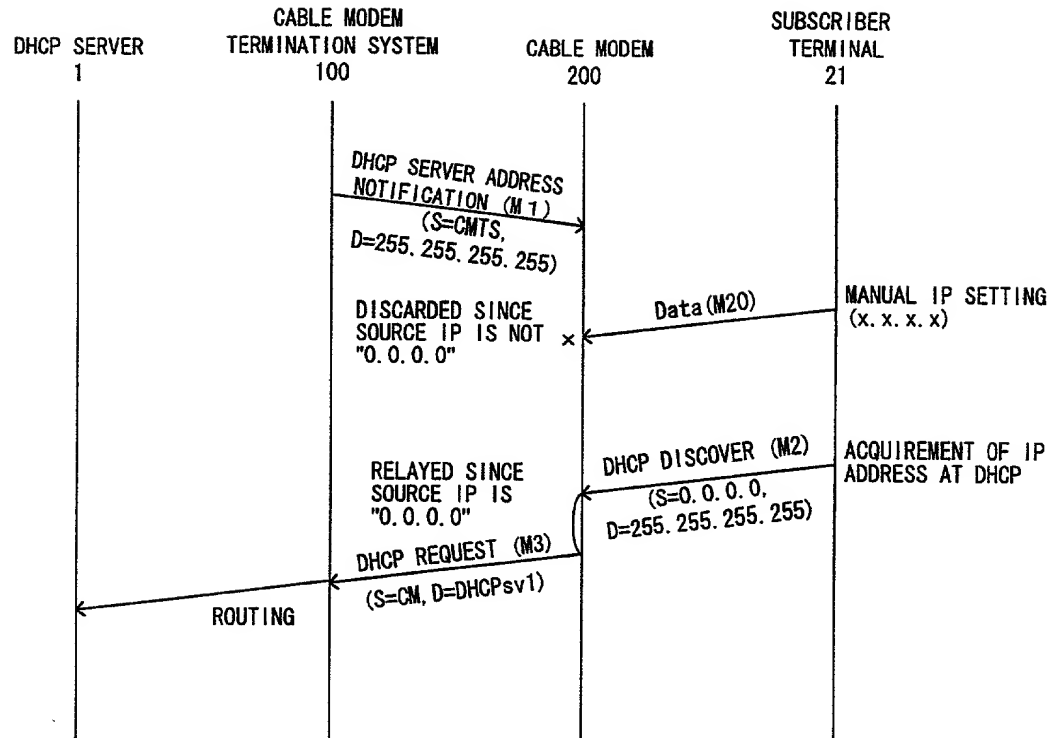


FIG. 5



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FIG. 6

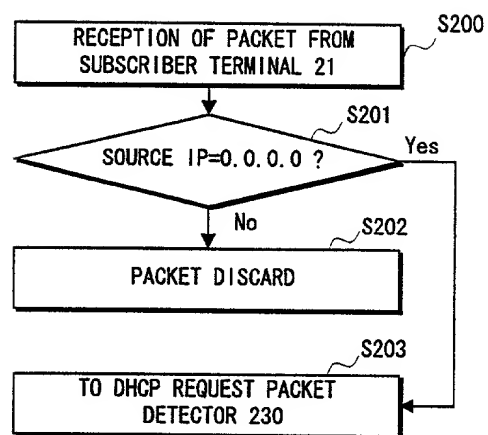


FIG. 7

FIG. 7

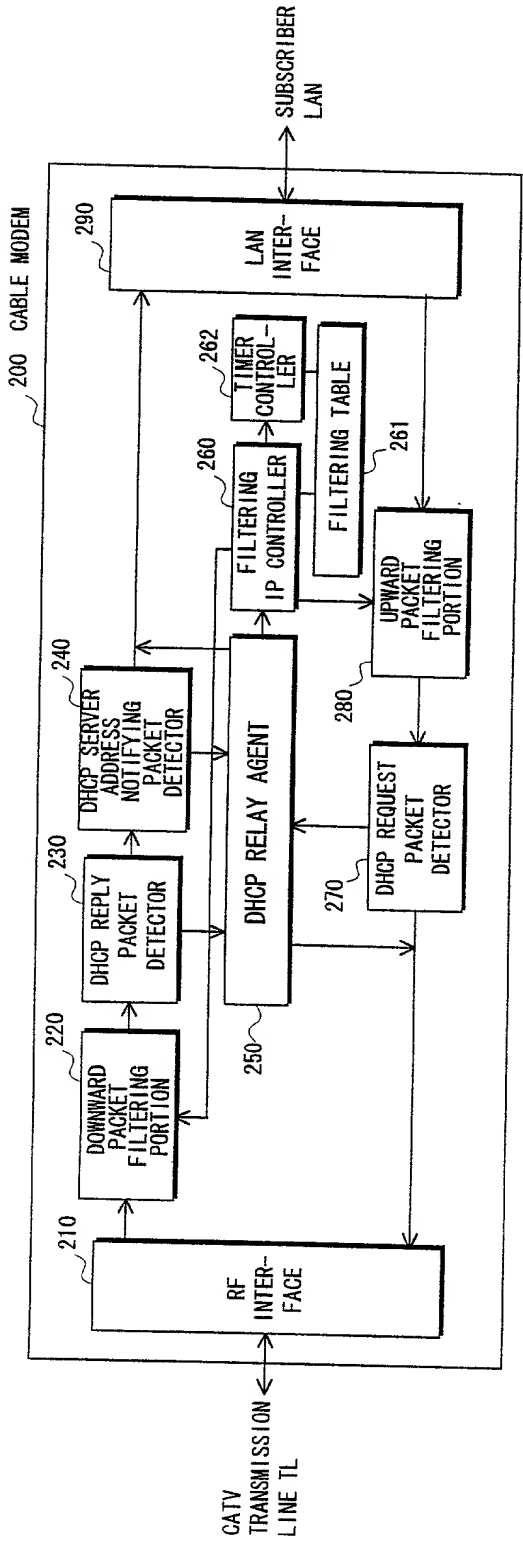


FIG. 9

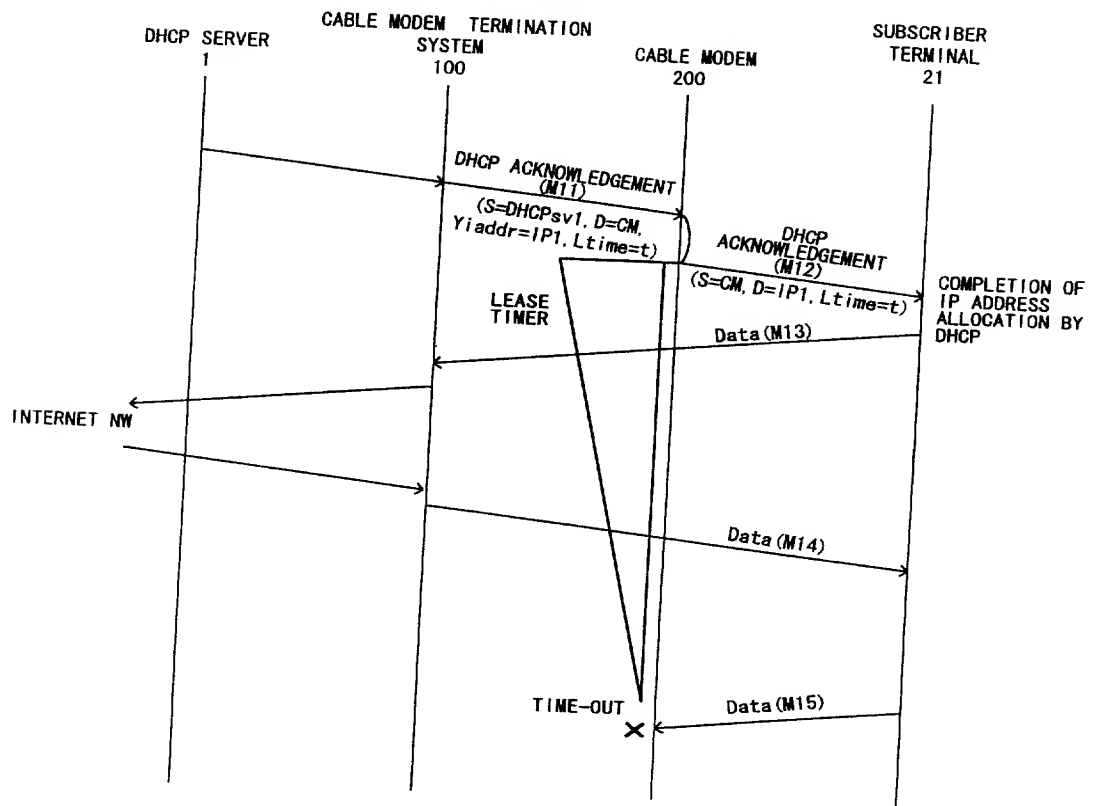


FIG. 10

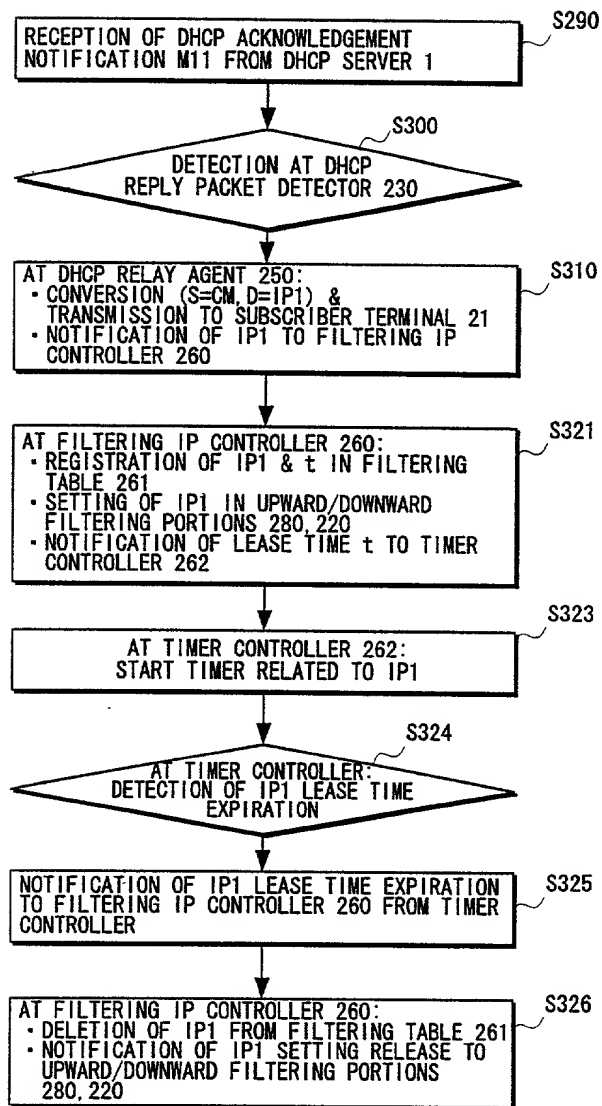


FIG. 11

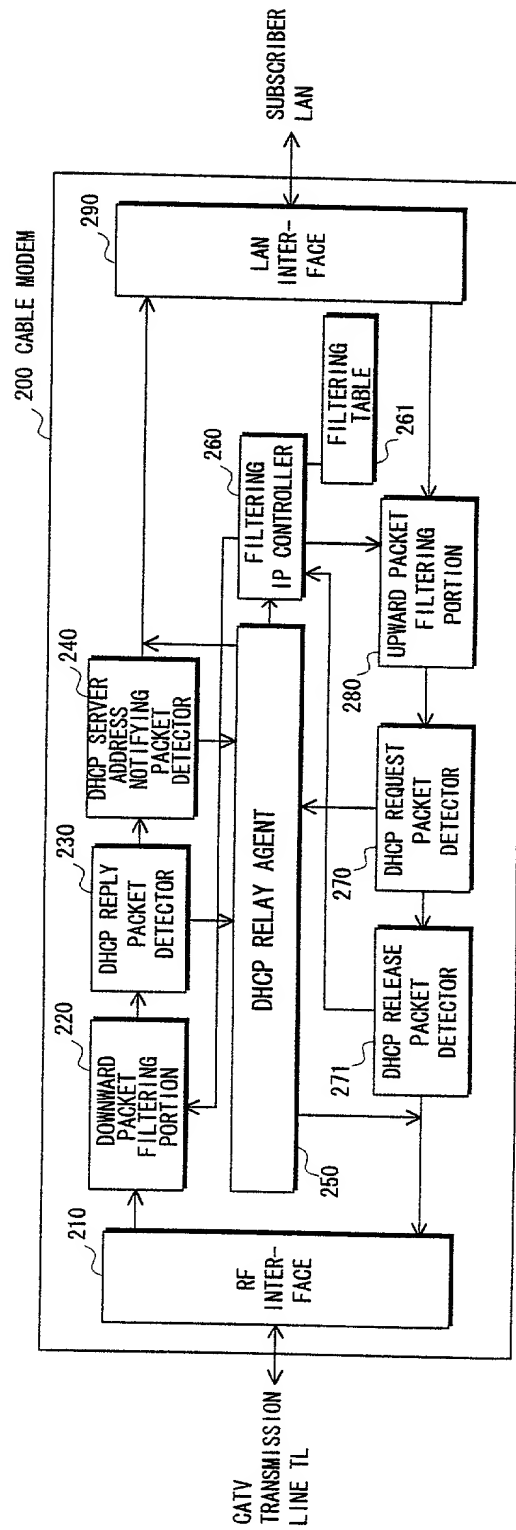


FIG. 12

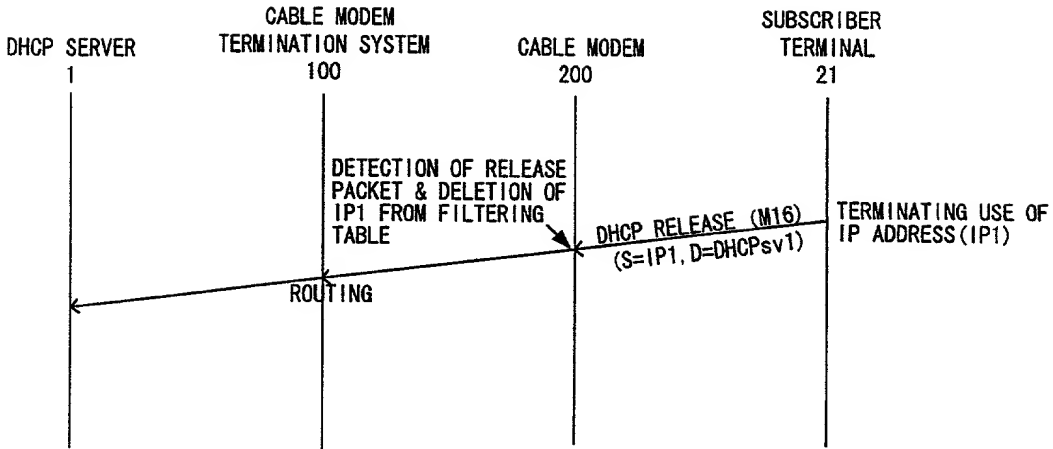


FIG. 13

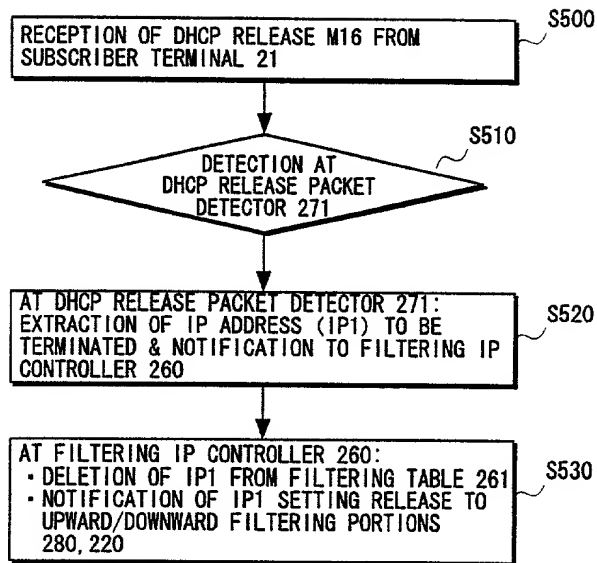


FIG. 14

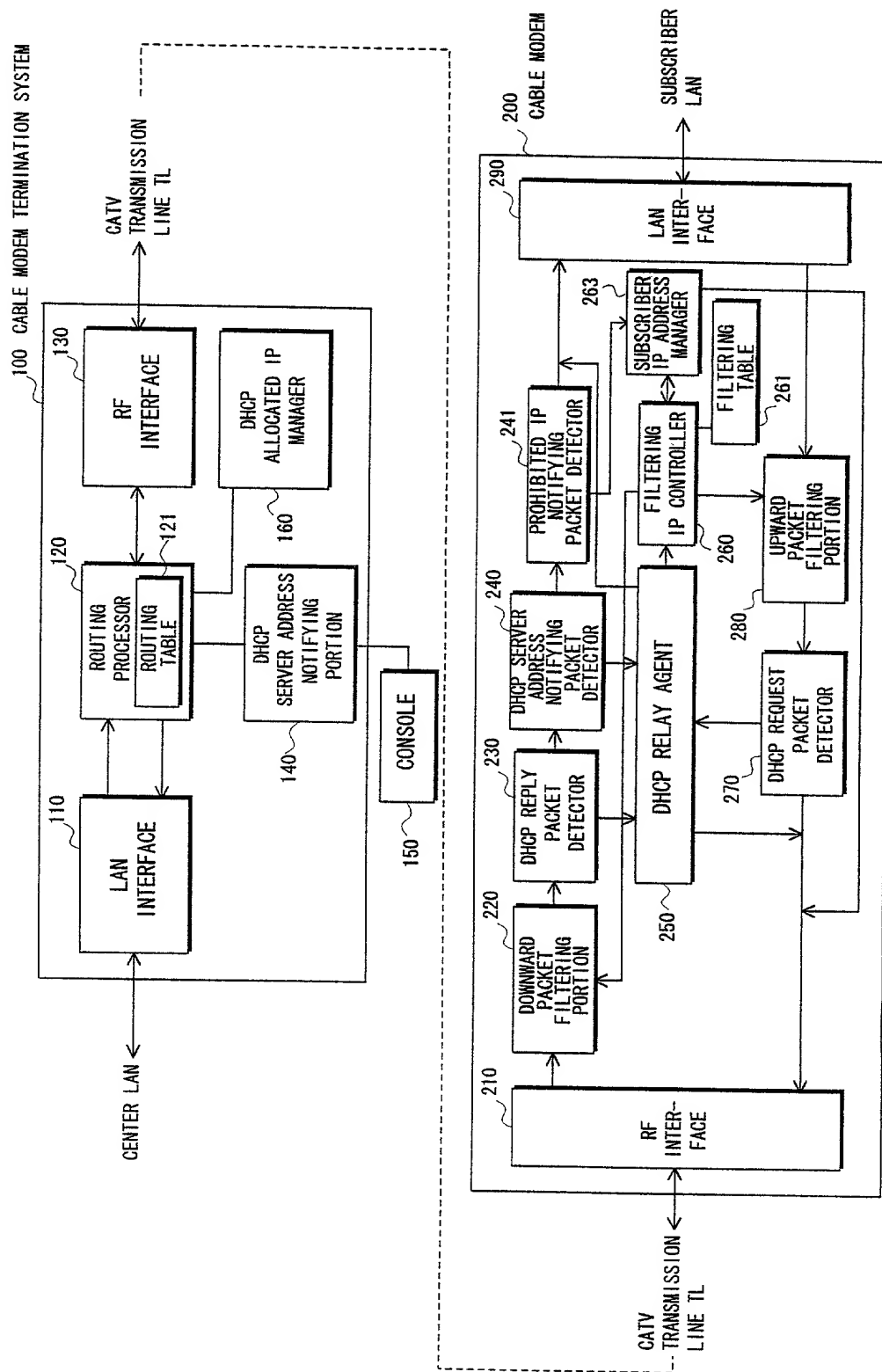


FIG. 15

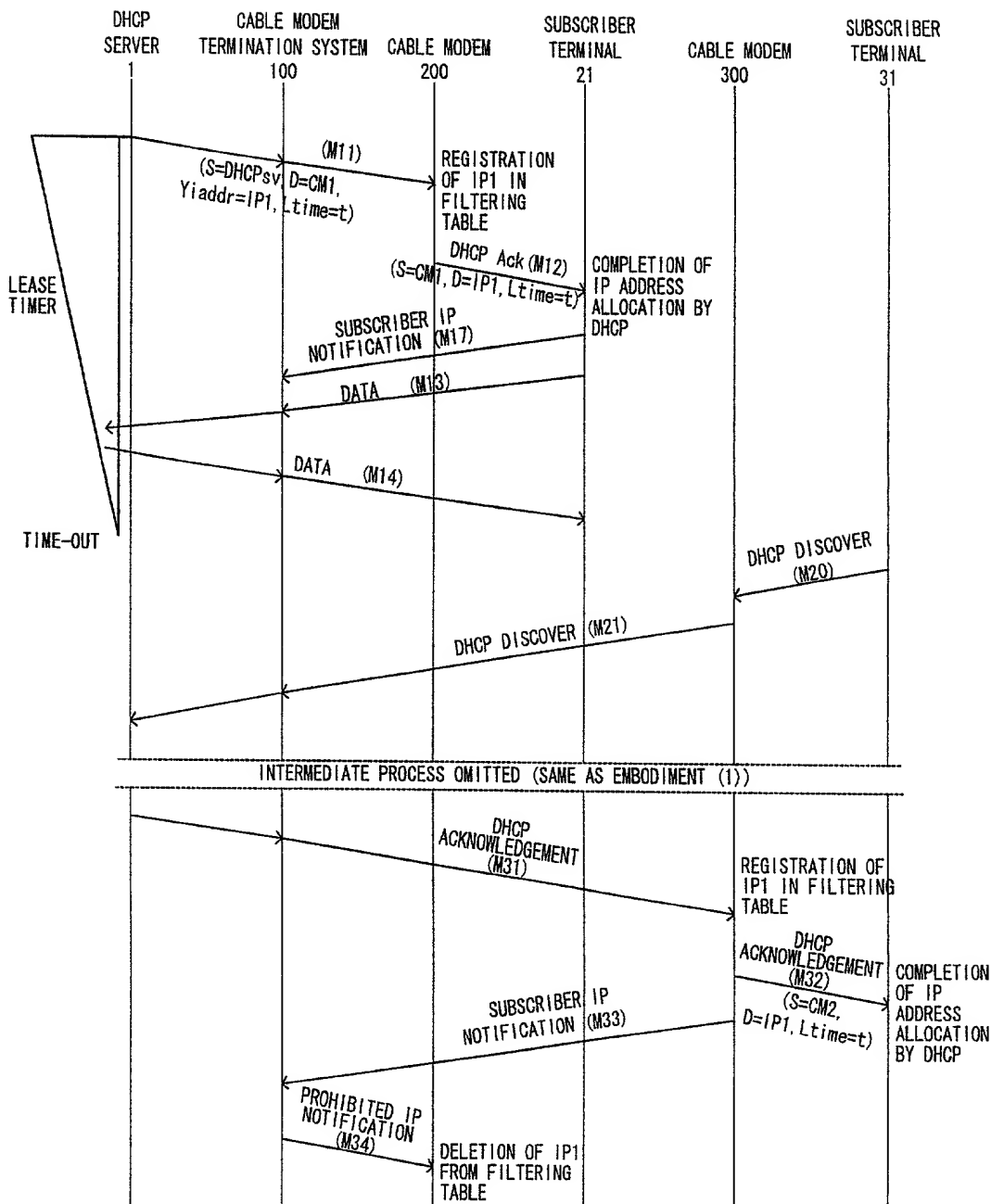


FIG. 17

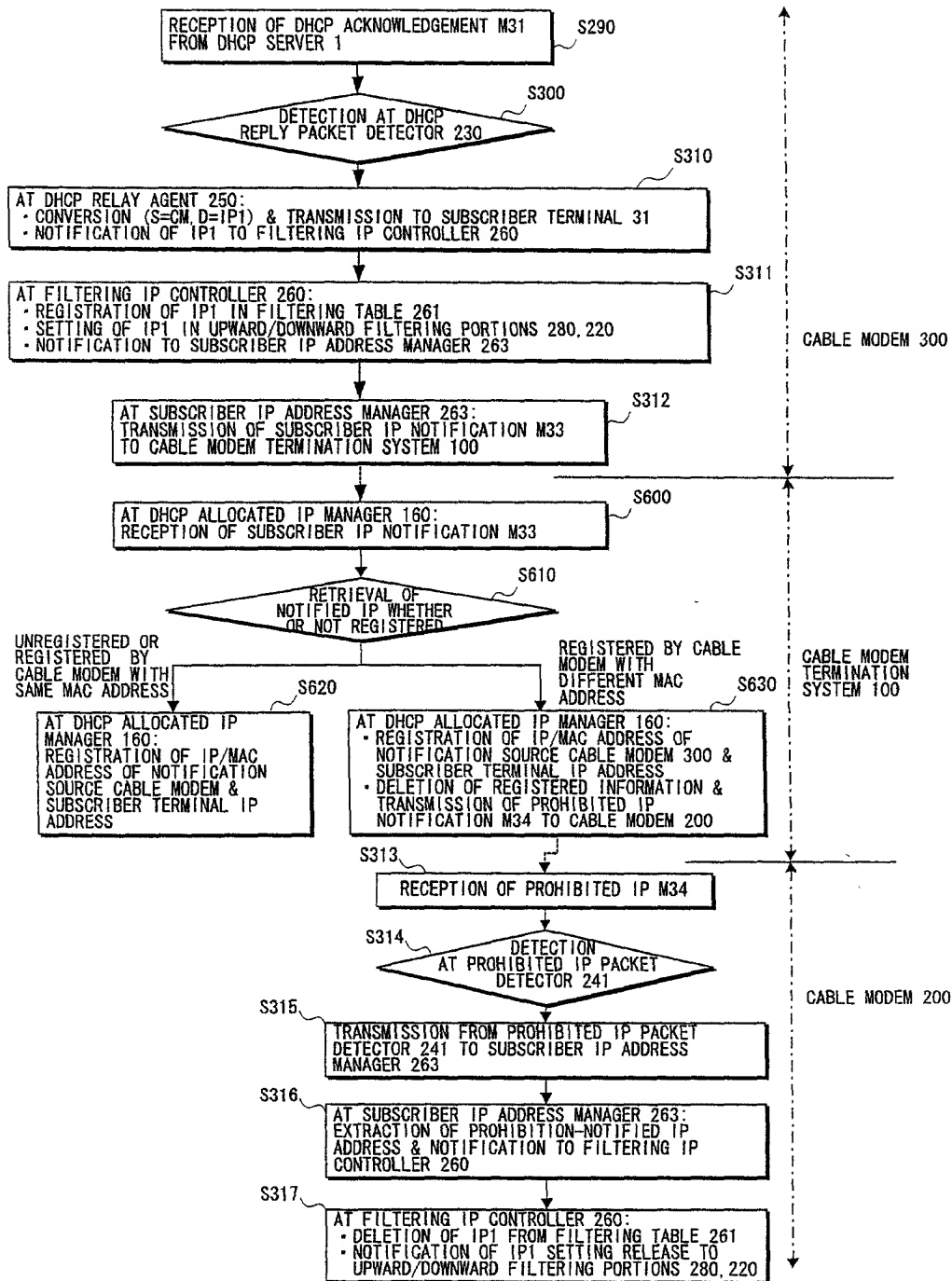


FIG. 18

| | |
|--------|---------------|
| HEADER | SUBSCRIBER IP |
|--------|---------------|

FIG. 19

| | |
|--------|---------------|
| HEADER | SUBSCRIBER IP |
|--------|---------------|

FIG. 21

| | | | | |
|------------|-----------|------------|------|-----|
| MAC HEADER | IP HEADER | TCP HEADER | DHCP | FCS |
|------------|-----------|------------|------|-----|

FIG. 22

| | | | |
|--------------|----------|----------|---------|
| OP(1) | htype(1) | hlen(1) | hops(1) |
| xid(4) | | | |
| secs(2) | | flags(2) | |
| ciaddr(4) | | | |
| yiaddr(4) | | | |
| siaddr(4) | | | |
| giaddr(4) | | | |
| chaddr(16) | | | |
| sname(64) | | | |
| file(128) | | | |
| options(312) | | | |

FIG. 20

